

ABSTRACT

The present invention relates to a correlation detection method using a matched filter. The correlation detection method of the present invention carries out a type of despreading calculation of fixing reception data and scanning spreading codes. The correlation detection method of the present invention then integrates the despreading result on the first-half symbol segment located before a symbol delimiter uniquely determined according to the amount of phase shift of spreading codes and the last-half symbol segment located after the symbol delimiter, adds the integration result with respect to the first-half symbol segment to the integration result corresponding to the amount of the same phase shift of the spreading code with respect to the same symbol stored as a result of the same processing as the previous processing, and temporarily stores the integration result with respect to the last-half symbol segment and adds the stored integration result to the integration result corresponding to the amount of the same phase shift of the spreading codes on the same symbol obtained as a result of carrying out the next same processing and thereby detects a symbol-unit correlation.

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